## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): Bangalore et al.

**Docket No.:** 113256Con-1

Application No.: Not Assigned

Filing Date: September 15, 2003

Examiner Name: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Title: Automatic Clustering of Tokens From A Corpus For Grammar

Acquisition

MAIL STOP: Patent Application THE COMMISSIONER FOR PATENTS PATENT & TRADEMARK OFFICE P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

SIR:

## INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08A. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56(b).

1. This information disclosure statement is being filed within three months of the filing date of a national application other than a continued prosecution application under §1.53(d); within three months of the date of the entry of the national stage as set forth in §1.491 in an international application; before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under §1.114. No certification or fee is required. (37 C.F.R. §1.97(b)).
2. This information disclosure statement is being filed more than three months after the filing date of a national application other than a continued prosecution application under §1.53(d); more than three months after the date of the entry of the national stage as set forth in §1.491 in an international application, after the mailing date of a first Office action on the merits, or after the mailing of a first Office action after the filing of a request for continued examination under §1.114, but before the mailing date of any of a Final action under §1.113, a Notice of Allowance under §1.311 or an action that otherwise closes prosecution in the application. (37 C.F.R. §1.97(c)).

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		was cited in a communication from and to my knowledge after making information disclosure statement w	information contained in this information disclosure statement in a foreign patent office in a counterpart foreign application is reasonable inquiry, no item of information contained in the as known to any individual designated in §1.56(c) more than his information disclosure statement. (37 C.F.R. §1.97 (e)(2)).			
		c. Please debit Deposit Account No. 37 C.F.R. §1.17(p) and to ensure co	o. 01-2745 in the amount of \$180.00 to cover the fee under nsideration of the disclosed information.			
	3. This information disclosure statement is being filed after the mailing date of any of a Final act under §1.113, a Notice of Allowance under §1.311, or an action which otherwise closes prosecutive whichever occurs first, but on or before payment of the Issue Fee. (37 C.F.R. §1.97(d)).					
		a. I hereby certify that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement. (37 C.F.R. §1.97(e)(1)).				
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			Respectfully,			
Date:	9/15	(los	By: Man M. Bra			
	CORP.		Thomas M. Isaacson, Attorney			
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Art Unit

STATEMENT BY APPLICANT (Use as many sheets as necessary)

**Examiner Name** Unassigned Sheet 1 Attorney Docket Number 113256Con-1

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code <sup>2</sup> (* known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 6,073,091	6/2000	KANEVSKY ET AL.	
		<sup>US-</sup> 6,094,653	7/2000	LI ET AL	
		<sup>US-</sup> 6,052,657	4/2000	YAMRO ET AL.	
		<sup>US-</sup> 5,839,106	11/1998	BELLEGARDA	
		<sup>US-</sup> 5,860,063	1/1999	GORIN ET AL.	
		<sup>US-</sup> 5,835,893	11/1998	USHIODA	
		<sup>US-</sup> 5,619,709	4/1997	CAID ET AL.	
		<sup>US-</sup> 5,325,298	6/1994	GALLANT ET AL.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*		Pages, Columns, Lines, Where Relevant Passages				
		Country Code <sup>3 -</sup> Number <sup>4 -</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	, ppiloant of Orloa Boodinent	Or Relevant Figures Appear	Т
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO	Complet if Known		
Cabasilate for form 1445/1770	Applicati n Number	Cont. of 09/912,461	
INFORMATION DISCLOSURE	Filing Date		
STATEMENT BY APPLICANT	First Named Inventor	Banglanore etal.	
(Use as many sheets as necessary)	Art Unit	2654	
(Use as many sneets as necessary)	Examiner Name	Not Assigned	
Sheet 8 of 2	Attorney Docket Number	113256COn-1	

_ <del></del>		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
-		"Dimensions of Meaning," Hinrich Schutze, Center for the Study of Language and Information, Ventura Hall	
		"Grammar Fragment Acquisition using Syntactic and Semantic Clustering," Jeremy H. Wright, Giuseppe Riccardi, Allen L. Gorin & Kazuhiro Arai	
		"Improving Clustering Techniques for Class-Based Statistical Language Modelling," Reinhard Kneser and Hermann Ney	
		"Aggregate and Mixed Order Markov Models for Statistical Language Processing," Lawrence Saul and Fernando Pereira	
		"Empircal Acquisition of Word and Phrase Classes in the Atis Domain," Michael K. McCandless and James R. Glass	
		"Distributional Clustering of English Words," Fernando Pereria, Naftali Tishby and Lillian Lee	

Examiner	Date
Signature	Considered

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